

Collaborative Asset Management Working Session Breakout Group Projects

<p>Utilities</p> <ul style="list-style-type: none"> • UA - Cluster 1 (U2, U10, U12, U16, U17, U35) (Defining AM/ building business Cases) • UB - Cluster 2 (U1, U9, U14, U31) (Best Practices) • UC - U4 (LOS/AM Business model) • UD - U20/21 (Tools and technology) • UE - U30 (Culture change) • UF - U3 (educating public, stakeholders, sustainability of business) 	<p>Education</p> <ul style="list-style-type: none"> • E1 – Develop an International Training and Resource Clearinghouse • E54 - Change culture to provide incentives for AM skills development • E6 - Revise existing engineering and other related courses • E53 - Develop courses in SAM (Strategic Asset Management) at the university level • E3 - Define competency skills/knowledge for managers of assets • E2 - Develop in-depth training modules for practitioners • E4 - Establish a National AM Institute • E5 – Design training courses for small/medium system managers • E60 - Define a information dissemination strategy • E55 - Produce a tailored USA AM manual
<p>Research</p> <ul style="list-style-type: none"> • R9 – Development of a central depository of high quality data available to researchers (comprehensive AM data base) • R5 - Standard methods for comprehensive benefits analysis (economic and non-economic) • R6 - Tools / techniques to incorporate sustainability into AM (specific) ecological footprint and quantification of non-economic impacts • R18 - Develop common / Best Practice for risk management framework • R8 – Development of dictionary of uniform / standard / granularity terms for cross dependencies (classifications, activities, metrics, cost models) – for all types of systems • R7 - Models for cross AM function interdependencies/knowledge management integrated AM • R23 - Research on tools for physical conditions assessment including design standards – non-invasive, non-destructive, cost effective • R2 - Define important/priority cornerstones/vision of AM • R47 - Maintenance focused definition of operation and maintenance cost standards • R1 - Economic penalties/externalities (disadvantages resulting to customers) identification for failure to have watershed approach 	<p>Government</p> <ul style="list-style-type: none"> • G3 - Raising the awareness of value for services and its benefits to all levels of Government, including public involvement and awareness. • G2 - Develop uniform national standards for condition assessment and asset reporting • G22 - Appoint a blue ribbon panel to look at alternative roles of the federal government to guard against undermining the potential of AM. Research and evaluate regulatory impacts, costs, burden, and benefits of regulations - and make recommendations • G4 - Get Regulators to have outcome measures (triple bottom line) as their goal instead of pure compliance measures • G1 - Encourage the review of efficiency benefits potentially achieved through amalgamation of water & wastewater activities nationally • G21 - Encourage and enforce CMOM and GASB 34 • G12 - Governments to use Life Cycle cost and risk-based approach for funding priorities • G20 - Eliminate subsidies to inefficient utilities • G11 - Asset Management Plans and full business plans be made requirements for any Government funding (state/federal loans/grants) • G24 - Align local government codes and ordinances to enhance implementation of AM